

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P691905

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8339 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



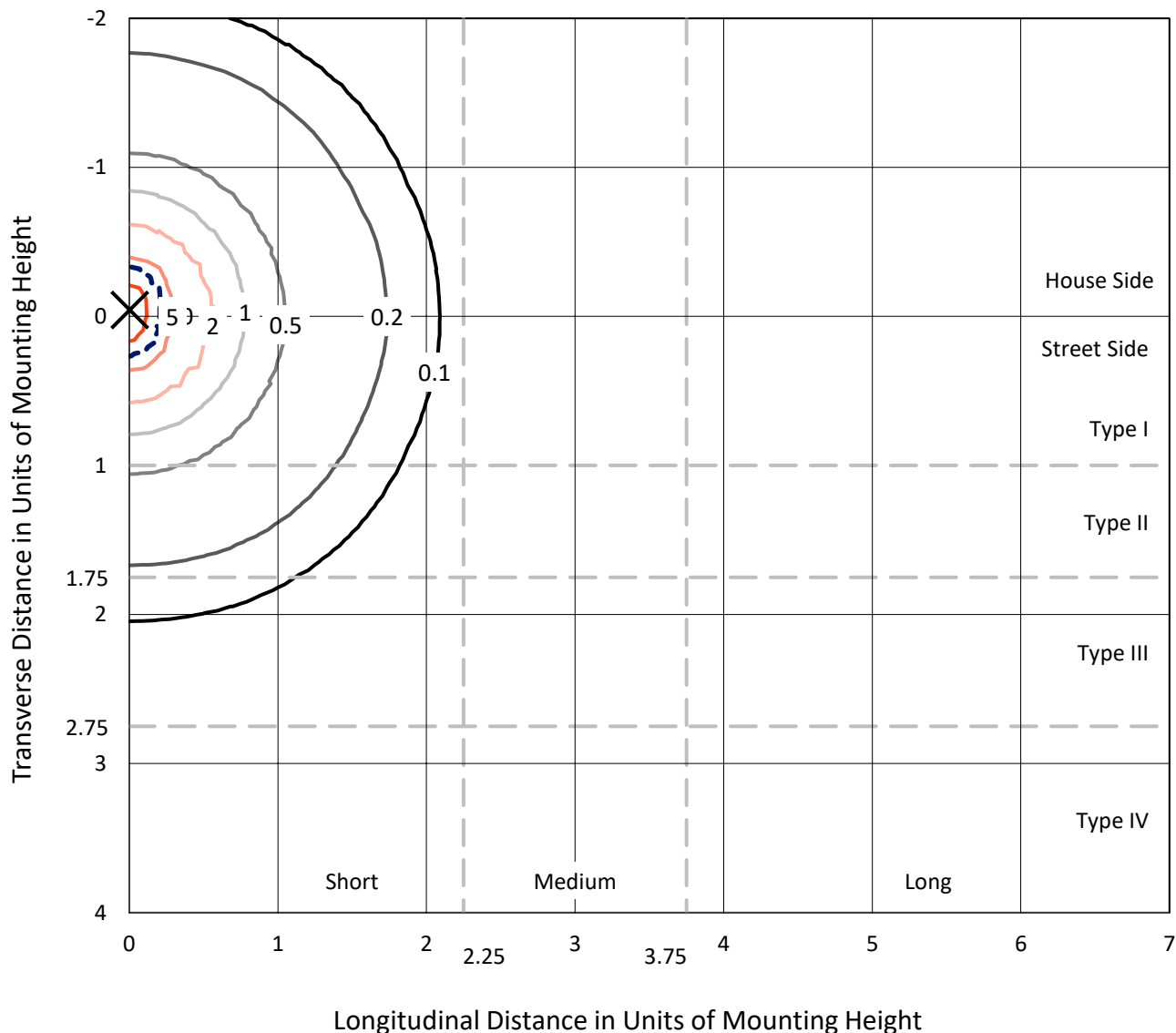
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

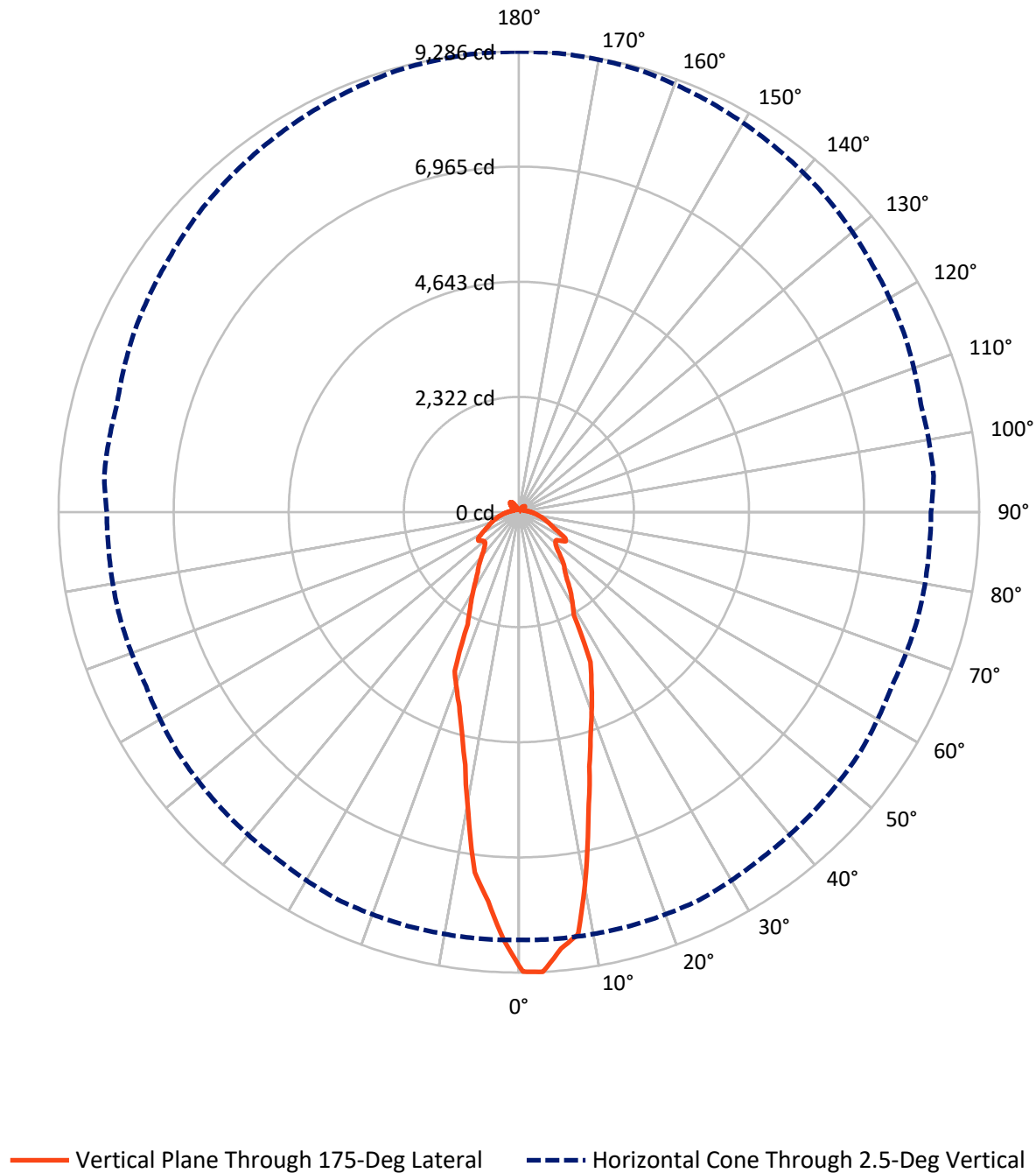


Based on 25 foot mounting height. Maximum calculated value = 14.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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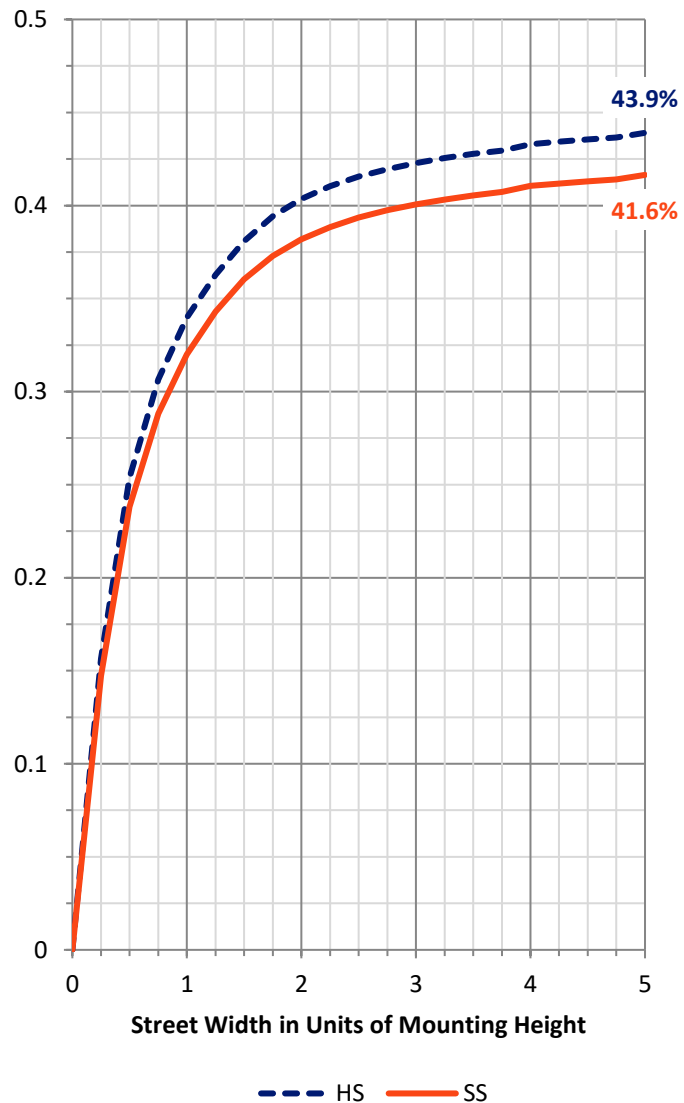
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3774.1	498.6	4272.7
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3554.6	511.7	4066.3
	% Fixture	42.6	6.1	48.8
Total	Lumens	7328.7	1010.3	8339.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.9	8.3
10°-20°	1210.9	14.5
20°-30°	1200.8	14.4
30°-40°	925.6	11.1
40°-50°	793.6	9.5
50°-60°	887.5	10.6
60°-70°	760.4	9.1
70°-80°	523.2	6.3
80°-90°	336.8	4.0
90°-100°	201.8	2.4
100°-110°	120.1	1.4
110°-120°	111.1	1.3
120°-130°	158.6	1.9
130°-140°	205.0	2.5
140°-150°	151.7	1.8
150°-160°	55.5	0.7
160°-170°	6.5	0.1
170°-180°	0.0	0.0
0°-90°	7328.7	87.9
0°-180°	8339.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691905

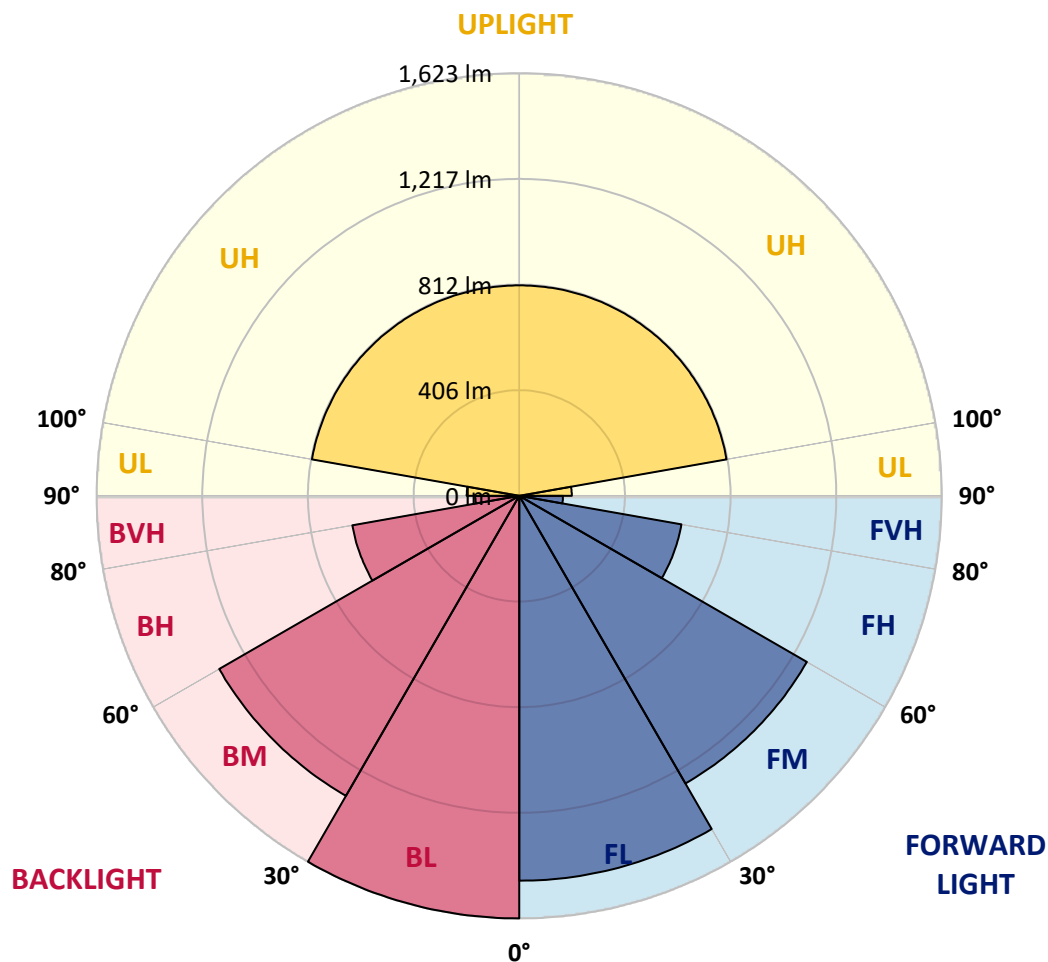
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1478.3	17.7			
FM	(30°-60°)	1275.9	15.3			
FH	(60°-80°)	632.5	7.6			G0/660
FVH	(80°-90°)	167.9	2.0			G2/225
BL	(0°-30°)	1623.2	19.5	B3/2500		
BM	(30°-60°)	1330.8	16.0	B2/2500		
BH	(60°-80°)	651.1	7.8	B2/1000		G0/660
BVH	(80°-90°)	168.9	2.0			G2/225
UL	(90°-100°)	201.8	2.4		U3/500	
UH	(100°-180°)	808.4	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1
2.5°	8627.2	8639.7	8642.8	8627.2	8523.6	8470.3	8413.8	8300.9	8326.0	8310.3	8313.4
5°	7824.0	7874.2	7795.8	7773.8	7617.0	7500.9	7388.0	7265.6	7237.4	7187.2	7206.0
7.5°	7290.7	7319.0	7190.3	7058.6	6807.6	6628.8	6440.6	6252.3	6111.2	6057.8	6079.8
10°	6070.4	6164.5	6035.9	5901.0	5662.5	5449.2	5251.6	5066.5	4937.9	4897.1	4903.4
12.5°	5160.6	5213.9	5104.1	5013.2	4746.5	4542.6	4360.6	4188.1	4084.6	4040.6	4040.6
15°	4558.3	4580.2	4495.5	4319.9	4119.1	3934.0	3780.3	3654.8	3570.1	3554.4	3560.7
17.5°	4103.4	4103.4	4018.7	3880.7	3726.9	3563.8	3457.1	3363.0	3325.4	3337.9	3341.1
20°	3761.4	3764.6	3689.3	3554.4	3422.6	3275.2	3187.3	3121.5	3099.5	3121.5	3124.6
22.5°	3438.3	3454.0	3372.4	3272.0	3127.7	3011.7	2939.5	2867.4	2854.8	2864.2	2864.2
25°	2487.8	2487.8	2459.5	2381.1	2412.5	2425.0	2509.7	2691.7	2654.0	2688.5	2685.4
27.5°	2145.8	2158.4	2101.9	2032.9	1960.7	1876.0	1860.3	1844.6	1829.0	1901.1	1926.2
30°	1894.8	1901.1	1854.1	1807.0	1747.4	1700.3	1687.8	1687.8	1672.1	1728.6	1725.4
32.5°	1656.4	1647.0	1634.5	1590.5	1552.9	1512.1	1521.5	1515.2	1515.2	1565.4	1568.6
35°	1468.2	1465.0	1455.6	1424.3	1386.6	1355.2	1364.7	1370.9	1367.8	1399.2	1399.2
37.5°	1330.2	1333.3	1327.0	1314.5	1276.8	1251.7	1258.0	1251.7	1261.1	1283.1	1283.1
40°	1195.3	1195.3	1198.4	1195.3	1170.2	1160.7	1179.6	1170.2	1192.1	1207.8	1201.5
42.5°	1066.6	1069.8	1076.0	1069.8	1054.1	1044.7	1054.1	1057.2	1088.6	1110.5	1107.4
45°	985.1	985.1	988.2	985.1	972.5	963.1	963.1	953.7	975.7	988.2	985.1
47.5°	931.7	931.7	938.0	934.9	928.6	919.2	912.9	900.4	909.8	919.2	909.8
50°	912.9	912.9	925.5	925.5	922.3	912.9	903.5	887.8	890.9	897.2	884.7
52.5°	941.1	941.1	963.1	972.5	972.5	956.8	944.3	922.3	922.3	928.6	909.8
55°	1000.7	1000.7	1035.3	1054.1	1057.2	1057.2	1041.5	1019.6	1022.7	1035.3	1016.4
57.5°	978.8	981.9	1010.2	1035.3	1050.9	1060.4	1060.4	1047.8	1057.2	1088.6	1079.2
60°	875.3	881.5	900.4	922.3	950.6	960.0	960.0	956.8	972.5	1010.2	1010.2
62.5°	778.0	781.1	790.6	809.4	825.1	831.3	831.3	818.8	837.6	856.4	850.2
65°	702.7	699.6	718.4	734.1	743.5	752.9	743.5	731.0	740.4	752.9	749.8
67.5°	640.0	640.0	655.7	668.2	674.5	683.9	677.6	671.3	683.9	690.2	683.9
70°	580.4	583.5	596.1	605.5	611.7	621.2	611.7	608.6	621.2	627.4	624.3
72.5°	520.8	523.9	533.3	545.9	552.1	555.3	552.1	549.0	558.4	564.7	564.7
75°	467.4	470.6	476.8	489.4	489.4	495.7	492.5	489.4	498.8	505.1	505.1
77.5°	417.2	423.5	426.7	436.1	439.2	442.3	439.2	439.2	445.5	451.7	454.9
80°	373.3	376.5	379.6	389.0	389.0	392.1	389.0	389.0	395.3	404.7	404.7
82.5°	332.5	335.7	338.8	345.1	341.9	345.1	345.1	345.1	351.4	360.8	360.8
85°	291.8	298.0	298.0	304.3	304.3	304.3	304.3	307.4	310.6	320.0	320.0
87.5°	257.2	260.4	263.5	266.7	266.7	269.8	269.8	272.9	276.1	282.3	285.5
90°	222.7	225.9	229.0	229.0	229.0	232.1	232.1	235.3	238.4	244.7	247.8
92.5°	197.6	200.8	200.8	203.9	203.9	203.9	207.1	210.2	213.3	219.6	219.6
95°	175.7	178.8	178.8	178.8	178.8	182.0	182.0	185.1	188.2	194.5	194.5
97.5°	156.9	156.9	156.9	156.9	156.9	160.0	160.0	163.1	166.3	169.4	169.4
100°	138.0	138.0	138.0	138.0	138.0	138.0	138.0	141.2	141.2	147.4	147.4
102.5°	122.3	122.3	119.2	119.2	119.2	116.1	116.1	119.2	119.2	122.3	122.3
105°	109.8	109.8	109.8	109.8	106.7	106.7	106.7	106.7	106.7	109.8	109.8
107.5°	106.7	106.7	103.5	103.5	103.5	100.4	100.4	100.4	100.4	103.5	103.5
110°	103.5	103.5	103.5	103.5	100.4	100.4	97.3	97.3	97.3	100.4	100.4



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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	106.7	106.7	106.7	103.5	103.5	100.4	100.4	100.4	100.4	100.4	103.5
115°	112.9	109.8	109.8	109.8	109.8	106.7	103.5	103.5	106.7	106.7	106.7
117.5°	122.3	119.2	119.2	122.3	119.2	116.1	112.9	112.9	116.1	116.1	119.2
120°	134.9	131.8	134.9	134.9	134.9	131.8	128.6	125.5	128.6	131.8	131.8
122.5°	150.6	147.4	150.6	153.7	153.7	150.6	144.3	144.3	147.4	150.6	153.7
125°	169.4	169.4	172.5	175.7	178.8	172.5	169.4	166.3	172.5	175.7	175.7
127.5°	191.4	188.2	194.5	203.9	207.1	200.8	194.5	191.4	197.6	203.9	203.9
130°	213.3	210.2	219.6	229.0	235.3	229.0	222.7	219.6	225.9	232.1	232.1
132.5°	232.1	229.0	241.6	254.1	260.4	257.2	251.0	244.7	254.1	260.4	257.2
135°	247.8	247.8	263.5	276.1	282.3	279.2	272.9	266.7	279.2	285.5	279.2
137.5°	257.2	257.2	276.1	288.6	294.9	294.9	291.8	285.5	298.0	301.2	291.8
140°	257.2	260.4	276.1	288.6	291.8	294.9	294.9	291.8	304.3	304.3	294.9
142.5°	247.8	251.0	266.7	279.2	282.3	285.5	288.6	285.5	294.9	294.9	288.6
145°	232.1	235.3	251.0	263.5	263.5	266.7	272.9	269.8	276.1	279.2	272.9
147.5°	210.2	213.3	225.9	232.1	235.3	241.6	247.8	247.8	251.0	254.1	251.0
150°	182.0	182.0	191.4	197.6	200.8	207.1	213.3	216.5	216.5	219.6	216.5
152.5°	144.3	144.3	150.6	156.9	160.0	169.4	172.5	175.7	178.8	182.0	178.8
155°	109.8	109.8	112.9	116.1	119.2	128.6	131.8	134.9	138.0	141.2	138.0
157.5°	78.4	78.4	81.6	84.7	87.8	94.1	97.3	100.4	100.4	103.5	103.5
160°	50.2	53.3	53.3	56.5	56.5	62.7	65.9	65.9	69.0	72.2	72.2
162.5°	25.1	28.2	28.2	31.4	34.5	37.6	40.8	40.8	43.9	43.9	43.9
165°	6.3	9.4	9.4	12.5	12.5	15.7	18.8	18.8	22.0	22.0	22.0
167.5°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.3	6.3	6.3	6.3
170°	0.0	0.0	0.0	0.0	3.1	0.0	0.0	3.1	3.1	3.1	3.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1	9267.1
2.5°	8398.1	8391.9	8564.4	8702.4	8865.6	8994.2	9119.7	9238.9	9286.0	9282.8	9286.0
5°	7290.7	7400.5	7626.4	7849.1	8112.7	8360.5	8592.6	8746.4	8843.6	8843.6	8853.0
7.5°	6180.2	6355.9	6635.1	6989.6	7384.8	7708.0	8100.1	8376.2	8595.8	8589.5	8630.3
10°	4991.2	5129.2	5408.4	5788.0	6224.1	6597.4	6939.4	7196.6	7409.9	7397.4	7450.7
12.5°	4100.3	4197.5	4439.1	4784.1	5182.6	5543.3	5879.0	6079.8	6230.4	6227.2	6255.5
15°	3576.3	3676.7	3833.6	4072.0	4401.4	4721.4	5057.1	5239.0	5323.7	5314.3	5361.4
17.5°	3363.0	3403.8	3501.1	3661.1	3899.5	4159.9	4426.5	4583.4	4680.6	4668.1	4702.6
20°	3134.0	3171.7	3237.5	3356.7	3526.2	3723.8	3949.7	4122.2	4194.4	4191.2	4213.2
22.5°	2870.5	2889.3	2961.5	3055.6	3177.9	3337.9	3510.5	3667.3	3739.5	3736.3	3758.3
25°	2688.5	2719.9	2763.8	2820.3	2905.0	3030.5	3174.8	3284.6	3350.5	3344.2	3372.4
27.5°	1963.9	1995.2	2017.2	2051.7	2054.8	2158.4	2208.6	2299.5	2359.1	2356.0	2374.8
30°	1725.4	1731.7	1750.5	1797.6	1825.8	1907.4	2007.8	2076.8	2127.0	2145.8	2158.4
32.5°	1574.8	1593.7	1615.6	1637.6	1672.1	1722.3	1800.7	1863.5	1916.8	1926.2	1948.2
35°	1402.3	1414.9	1430.5	1452.5	1474.5	1515.2	1574.8	1625.0	1665.8	1681.5	1694.1
37.5°	1280.0	1283.1	1298.8	1323.9	1342.7	1377.2	1430.5	1468.2	1509.0	1512.1	1524.7
40°	1198.4	1201.5	1217.2	1239.2	1261.1	1283.1	1330.2	1364.7	1392.9	1396.0	1405.4
42.5°	1104.3	1113.7	1120.0	1129.4	1145.1	1163.9	1204.7	1223.5	1242.3	1245.4	1258.0
45°	975.7	978.8	985.1	994.5	1013.3	1032.1	1060.4	1082.3	1094.9	1094.9	1091.7
47.5°	903.5	906.6	906.6	919.2	934.9	953.7	978.8	997.6	1003.9	1003.9	1003.9
50°	878.4	878.4	872.1	881.5	897.2	909.8	934.9	950.6	953.7	956.8	960.0
52.5°	897.2	890.9	872.1	881.5	897.2	909.8	934.9	941.1	941.1	947.4	950.6
55°	1000.7	991.3	953.7	960.0	978.8	994.5	1013.3	1016.4	1022.7	1032.1	1029.0
57.5°	1066.6	1072.9	1029.0	1038.4	1072.9	1085.5	1107.4	1104.3	1116.8	1129.4	1132.5
60°	1003.9	1022.7	988.2	1000.7	1041.5	1047.8	1069.8	1057.2	1076.0	1076.0	1076.0
62.5°	853.3	859.6	840.8	859.6	897.2	897.2	912.9	903.5	909.8	903.5	906.6
65°	746.6	743.5	721.5	746.6	759.2	765.5	778.0	781.1	781.1	774.9	774.9
67.5°	680.8	674.5	655.7	661.9	674.5	677.6	696.4	699.6	696.4	696.4	699.6
70°	621.2	611.7	592.9	596.1	605.5	608.6	624.3	630.6	627.4	624.3	627.4
72.5°	561.5	552.1	533.3	533.3	542.7	549.0	561.5	567.8	561.5	561.5	564.7
75°	505.1	495.7	476.8	476.8	483.1	486.3	501.9	505.1	501.9	498.8	501.9
77.5°	454.9	448.6	429.8	429.8	432.9	436.1	445.5	448.6	445.5	442.3	445.5
80°	407.8	398.4	385.9	382.7	385.9	385.9	395.3	398.4	392.1	392.1	395.3
82.5°	363.9	354.5	341.9	341.9	338.8	341.9	348.2	351.4	348.2	345.1	348.2
85°	323.1	316.9	304.3	301.2	301.2	301.2	307.4	307.4	304.3	304.3	304.3
87.5°	285.5	279.2	266.7	266.7	263.5	266.7	269.8	269.8	266.7	266.7	266.7
90°	247.8	241.6	232.1	232.1	229.0	232.1	235.3	235.3	232.1	232.1	232.1
92.5°	219.6	216.5	207.1	207.1	203.9	207.1	207.1	207.1	203.9	203.9	203.9
95°	194.5	191.4	185.1	182.0	182.0	182.0	182.0	182.0	178.8	178.8	178.8
97.5°	169.4	166.3	160.0	160.0	156.9	160.0	160.0	160.0	156.9	156.9	156.9
100°	147.4	144.3	141.2	141.2	138.0	138.0	138.0	138.0	138.0	138.0	138.0
102.5°	122.3	122.3	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
105°	109.8	109.8	109.8	109.8	112.9	112.9	112.9	109.8	109.8	109.8	109.8
107.5°	103.5	103.5	103.5	106.7	106.7	106.7	109.8	103.5	100.4	100.4	100.4
110°	100.4	100.4	103.5	103.5	106.7	106.7	109.8	97.3	94.1	94.1	94.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	103.5	103.5	103.5	106.7	109.8	109.8	112.9	97.3	94.1	94.1	94.1
115°	109.8	109.8	109.8	112.9	116.1	119.2	119.2	103.5	97.3	97.3	100.4
117.5°	119.2	119.2	119.2	122.3	128.6	128.6	128.6	109.8	106.7	106.7	106.7
120°	131.8	134.9	134.9	138.0	144.3	147.4	141.2	125.5	106.7	116.1	116.1
122.5°	150.6	153.7	156.9	160.0	169.4	169.4	160.0	144.3	116.1	128.6	131.8
125°	175.7	178.8	182.0	188.2	197.6	197.6	185.1	163.1	131.8	144.3	147.4
127.5°	200.8	207.1	210.2	219.6	232.1	232.1	216.5	188.2	147.4	156.9	160.0
130°	229.0	235.3	241.6	254.1	269.8	263.5	251.0	213.3	160.0	166.3	166.3
132.5°	254.1	263.5	266.7	285.5	301.2	294.9	279.2	229.0	166.3	166.3	163.1
135°	272.9	279.2	282.3	301.2	316.9	307.4	288.6	235.3	163.1	156.9	156.9
137.5°	285.5	291.8	294.9	307.4	320.0	304.3	279.2	222.7	156.9	153.7	150.6
140°	291.8	291.8	291.8	301.2	307.4	288.6	257.2	200.8	141.2	147.4	147.4
142.5°	285.5	282.3	279.2	285.5	288.6	266.7	238.4	178.8	128.6	134.9	134.9
145°	269.8	263.5	260.4	263.5	263.5	238.4	207.1	153.7	112.9	116.1	116.1
147.5°	247.8	238.4	232.1	232.1	229.0	203.9	175.7	128.6	97.3	94.1	94.1
150°	213.3	203.9	197.6	197.6	188.2	166.3	141.2	100.4	78.4	78.4	78.4
152.5°	175.7	166.3	160.0	160.0	150.6	128.6	106.7	75.3	59.6	59.6	59.6
155°	138.0	128.6	122.3	119.2	112.9	97.3	78.4	56.5	43.9	43.9	43.9
157.5°	103.5	97.3	91.0	87.8	81.6	72.2	56.5	40.8	28.2	31.4	31.4
160°	72.2	65.9	62.7	59.6	56.5	47.1	37.6	25.1	15.7	15.7	15.7
162.5°	43.9	40.8	40.8	37.6	34.5	31.4	22.0	12.5	6.3	6.3	6.3
165°	22.0	22.0	18.8	18.8	15.7	12.5	9.4	3.1	0.0	0.0	0.0
167.5°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
170°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)